Index of Claims

| Application/Cont | rol | No |
|------------------|-----|----|
|------------------|-----|----|

10/815,234

Examiner

Paul W. Schlie

Applicant(s)/Patent under Reexamination

BOUTCHER ET AL.

Art Unit

2186

| 1  | Rejected |
|----|----------|
| 11 | Allowed  |

(Through numeral)
Cancelled

Restricted

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla          | aim      | Date      |          |                |              |  |          |              | Date Claim Date |                |          |          |          |          |  |              |          |          | [        | Cli      | aim      | Date     |     |       |            |           |  |        |        |          |          |          |          |          |
|--------------|----------|-----------|----------|----------------|--------------|--|----------|--------------|-----------------|----------------|----------|----------|----------|----------|--|--------------|----------|----------|----------|----------|----------|----------|-----|-------|------------|-----------|--|--------|--------|----------|----------|----------|----------|----------|
| Final        | Original | 8/2/06    |          |                |              |  | :        |              |                 |                | -        | בוומו    | Original |          |  |              |          |          |          |          |          |          |     | Final | Original   |           |  |        |        |          |          |          |          |          |
| 1            | 1        | =         |          |                |              |  |          |              |                 |                |          |          | 51       |          |  |              |          |          |          |          |          |          |     |       | 101        |           |  |        |        |          |          |          |          | $\Box$   |
| 2            | 2        | =         |          |                |              |  |          |              |                 |                |          |          | 52       |          |  |              |          |          |          |          |          |          | [   |       | 102        |           |  |        |        |          |          |          |          |          |
| 3            | 3        | =         |          |                |              | L  |          |              |                 | Ш              |          |          | 53       |          |  | L_           | _        |          |          |          |          | _        | - 1 |       | 103        |           |  |        |        |          | _        | _        | _        | _        |
| 4            | 4        | =         |          |                |              | L  | <u> </u> | <u> </u>     | L               | Ш              | <u> </u> |          | 54       |          | _  | _            |          |          |          |          |          | _        |     |       | 104        |           |  |        |        | _        | _        | _        | _        | _        |
| 5            | 5        | =         |          | <u> </u>       | L            | <u> </u>   | L        | <u> </u>     | L               | Ш              | ļ        |          | 55       |          | _  |              |          |          |          |          |          |          | ļ   |       | 105        |           |  |        |        | _        | _        | _        | _        | _        |
| 6            | 6        | =         |          |                | <u> </u>     | _  | _        |              | <u></u>         | Щ              |          | _        | 56       |          | _  |              |          |          |          |          |          | _        | ļ   |       | 106        |           | _                                      |        |        |          | _        | _        | _        | _        |
| 7            | 7        | =         |          |                | L            |  | _        | <u> </u>     | <u> </u>        | Ш              | -        | _        | 57       | L_       | <u> </u>   | _            |          |          |          |          |          |          | ļ   |       | 107        |           | _                                      |        |        |          |          | _        |          | _        |
| 88           | 8        | =         |          | _              | <u> </u>     | L  | _        | <u> </u>     | _               | Ш              | -        | _        | 58       | _        | _  |              |          |          |          |          | $\dashv$ | _        | ŀ   |       | 108        |           | $\dashv$                               | _      |        |          |          |          |          | {        |
|              | رور      | <u> -</u> |          |                | <u> </u>     | _  | _        | <u> </u>     | <u> </u>        | Ш              | -        | -        | 59       |          | <del>  _</del>                                   | <u> </u>     |          |          |          |          | _        |          | ŀ   |       | 109        | Щ         | $\dashv$                               | _      |        |          |          |          |          | {        |
| 9            | 10       | =         | _        | _              | _            | ⊢  | <u> </u> | ├            | <del> </del>    | $\blacksquare$ |          |          | 60       |          | <u> </u>   | _            | <u> </u> | _        |          | _        | $\dashv$ | $\dashv$ | -   |       | 110        |           | $\dashv$                               | _      |        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| 10           | 11       | =         |          |                | <u> </u>     | ┝  | ┡        | ┡            |                 | $\square$      | -        |          | 61       | _        | ⊢  | _            |          | Н        | _        | -        | $\dashv$ | -        | - } |       | 111        |           |  | _      |        | _        | _        | $\dashv$ | $\dashv$ | $\dashv$ |
| 11           | 12       | =         |          |                | <u> </u>     | $\vdash$   | ⊢        | ₩            | $\vdash$        | H              |          |          | 62       |          | <del> </del>                                     | -            | $\vdash$ | Н        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ŀ   |       | 112<br>113 | $\vdash$  |  |        |        |          | $\dashv$ | $\dashv$ | -        | $\dashv$ |
| -            | 18       | ŀ         | $\vdash$ | -              | <del> </del> | ⊢  | $\vdash$ | ₩            | <del> </del> —  |                | -        | $\dashv$ | 63<br>64 |          | ┢  | ⊢            |          | $\vdash$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | ŀ   |       | 114        | Н         | $\dashv$                               | -      |        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | 긕        |
| -            |          | -         |          | H              | ├-           | $\vdash$   | ⊢        | ⊬            | $\vdash$        | $\vdash\vdash$ |          |          | 65       |          | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$ | $\dashv$ | $\vdash$ | $\vdash$ | $\dashv$ | ŀ   |       | 115        |           |  | -      |        | -        | $\dashv$ | $\dashv$ |          | $\dashv$ |
| 12           | 15<br>16 | =         |          |                |              |  | ├─       | ╁            | $\vdash$        | $\vdash\vdash$ | -        | ┥        | 66       |          | <del> </del>                                     |              | -        | -        | -        |          | $\dashv$ | $\dashv$ | ŀ   |       | 116        | $\vdash$  |  |        |        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ |
| 13           | 17       | =         | $\vdash$ |                | $\vdash$     | $\vdash$   | $\vdash$ | ⊬            | _               | $\vdash$       | -        | $\dashv$ | 67       |          | ├  | -            | $\vdash$ | _        | $\dashv$ | -        | $\dashv$ | $\dashv$ | ŀ   |       | 117        |           |  |        |        | $\dashv$ | $\dashv$ |          | -        |          |
| 14           | 18       | =         |          |                | $\vdash$     | $\vdash$   | $\vdash$ | ╁            | -               | Н              | -        | +        | 68       |          | ┢  |              |          |          | -        | $\vdash$ | -1       | $\dashv$ | ŀ   |       | 118        | $\vdash$  | $\dashv$                               | _      |        |          | -        | ᅱ        |          | $\dashv$ |
| 15           | 19       | =         |          |                | $\vdash$     | H  | ├        | ┢            | -               | $\vdash$       | <u> </u> | $\dashv$ | 69       | -        | $\vdash$   | $\vdash$     |          |          | $\dashv$ | $\vdash$ |          | $\dashv$ | ł   |       | 119        |           | $\dashv$                               | _      |        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ |
| 16           | 20       | Ē         | -        |                | -            | $\vdash$   | $\vdash$ | ┢            |                 | Н              | <b>⊢</b> | $\dashv$ | 70       |          | -  |              |          |          | -        |          | $\vdash$ | $\dashv$ | ŀ   |       | 120        | Н         |  |        |        |          | -        | $\dashv$ | 一        | $\dashv$ |
| <del></del>  | 21       | -         | ┝        |                | $\vdash$     | 1  |          | ┢            |                 | Н              | -        | $\dashv$ | 71       |          |  | -            | -        | -        | -        | -        | $\dashv$ | $\dashv$ | ŀ   |       | 121        | Н         | $\dashv$                               |        | -      |          | $\neg$   | $\neg$   |          | $\dashv$ |
| -            | 22       | -         | $\vdash$ |                | ┢            |  | $\vdash$ | <del> </del> | <del></del>     | Н              | -        | -        | 72       | -        | <del>                                     </del> | $\vdash$     |          |          | $\neg$   | $\dashv$ | $\dashv$ | $\dashv$ | ŀ   |       | 122        |           |  | _      |        | $\dashv$ | $\neg$   | $\dashv$ | $\dashv$ | $\dashv$ |
|              | 23       | -         |          |                | $\vdash$     |  |          | $\vdash$     |                 | Н              |          | 一        | 73       |          | $\vdash$   | $\vdash$     |          |          |          |          | _        |          | -   |       | 123        |           | $\dashv$                               | $\neg$ | $\neg$ | $\neg$   | $\neg$   | $\neg$   |          | _        |
|              | 24       |           |          |                |              |  | $\vdash$ | 一            |                 | Н              |          | 1        | 74       | _        | _  | <del> </del> | -        |          | -        |          |          | _        | ı   |       | 124        |           | $\dashv$                               | _      |        | $\neg$   |          |          |          | _        |
|              | 25       | $\vdash$  |          |                |              |  | $\vdash$ | Г            | $\vdash$        | Н              |          | 寸        | 75       | _        | 1  |              |          |          |          | $\neg$   | $\neg$   | $\neg$   | Ì   |       | 125        |           |  |        |        | $\neg$   | _        |          |          | $\neg$   |
|              | 26       |           |          |                |              |  | _        |              |                 |                | -        |          | 76       | _        | $\vdash$   |              |          |          | $\neg$   |          | $\neg$   | $\dashv$ | Ì   |       | 126        |           |  |        |        |          | $\neg$   |          | 寸        | ヿ        |
|              | 27       |           |          |                |              |  |          | Г            |                 | $\sqcap$       |          | 7        | 77       | _        | <del>                                     </del> | _            |          |          |          |          | $\Box$   | $\neg$   | ı   |       | 127        | П         |  |        |        |          |          |          | $\neg$   | $\neg$   |
|              | 28       | $\vdash$  |          |                |              |  |          |              |                 | П              |          | $\dashv$ | 78       |          | T  | $\vdash$     |          |          | _        |          |          |          | Ì   |       | 128        |           |  |        |        | $\neg$   | $\neg$   | $\neg$   | $\neg$   | $\neg$   |
|              | 29       |           |          |                |              |  |          |              |                 | $\Box$         |          |          | 79       |          |  |              |          |          |          |          |          | $\neg$   | 1   |       | 129        |           |  |        |        |          |          | $\Box$   |          | $\neg$   |
|              | 30       |           |          |                |              |  |          |              |                 | П              |          | ヿ        | 80       |          |  |              |          |          |          |          |          | $\neg$   | Ī   |       | 130        |           |  |        |        |          |          |          |          |          |
|              | 31       |           |          |                |              |  |          |              |                 |                |          |          | 81       |          |  |              |          |          |          |          |          |          | [   |       | 131        |           |  |        |        |          |          |          |          |          |
|              | 32       |           |          |                |              |  |          |              |                 |                |          |          | 82       |          |  |              |          |          |          |          |          |          | [   |       | 132        |           |  |        |        |          |          |          |          |          |
|              | 33       |           |          |                |              |  |          |              |                 |                |          |          | 83       |          |  |              |          |          |          |          |          |          | - [ |       | 133        |           |  |        |        |          |          |          |          |          |
|              | 34       |           |          |                |              |  | <u> </u> | L            |                 | Ш              |          |          | 84       |          |  |              |          |          |          |          | $\sqcup$ | $\Box$   |     |       | 134        |           | Ш                                      |        |        | _        |          |          | _        |          |
| ļ            | 35       |           |          |                | L.           |  |          |              |                 | Ш              | L        |          | 85       | <u> </u> |  |              | Ш        | Ш        |          |          | Ш        | _        | ļ   |       | 135        | Ш         |  |        |        |          |          |          |          | _        |
|              | 36       |           | Ш        |                | L.,          |  |          | _            | <u> </u>        | Ш              | _        | _        | 86       | <u> </u> | <u>L</u>   | <u> </u>     | _        | Ш        |          | _        |          | _        | Ţ   |       | 136        | Ш         |  |        |        | _        |          | _        | _        | _        |
|              | 37       | <u> </u>  |          |                | <u> </u>     |  | _        | <u></u>      |                 | Ш              |          | _        | 87       | <b> </b> | <b> </b> _                                       | <u> </u>     | _        | Ш        |          |          | $\Box$   | _        | ļ   |       | 137        | Щ         | <b> </b>                               |        |        |          |          |          |          | _        |
|              | 38       |           |          |                | ļ            | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>        | Ш              | L        | - }      | 88       |          | <u> </u>   | L.           |          | Ш        |          |          |          | _        | ļ   |       | 138        | $\square$ |  |        | _      |          | _        | _        | _        | _        |
|              | 39       | _         | <u> </u> |                |              | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>        | Щ              | <u> </u> | 4        | 89       | <u> </u> | <u> </u>   | <u> </u>     | Щ        | Ш        |          |          | $\sqcup$ | $\dashv$ | - ] |       | 139        | Ш         |  |        |        |          |          | _        | _        | 4        |
|              | 40       | <u> </u>  | Щ        |                | <u> </u>     | <u> </u>   | <u> </u> | $\sqcup$     | <u> </u>        | Ш              |          | _        | 90       | <u> </u> | <u> </u>   | <u> </u>     |          | $\sqcup$ |          |          | _        | _        | ļ   |       | 140        | Ш         |  | _      |        | _        | _        | _        | _        | _        |
|              | 41       | _         |          | <u> </u>       | L.,          |  |          | $oxed{oxed}$ | _               | Щ              | <u> </u> | -        | 91       | <u> </u> | Ь  | <u> </u>     | <u> </u> | Ш        |          |          |          | _        | ļ   |       | 141        | Щ         | <u> </u>                               |        |        |          | _        | _        | _        |          |
| ļ            | 42       | <u> </u>  | ļ        |                | <u> </u>     | H  | <u> </u> | $\vdash$     | <u> </u>        | Н              |          | _        | 92       | <u> </u> | $\vdash$   | <u> </u>     |          | Ш        | _        | _        | $\dashv$ | $\dashv$ | }   |       | 142        | Ш         | $\dashv$                               | _      |        | _        | _        | _        |          | ᅴ        |
| <u> </u>     | 43       | <u> </u>  |          | $\square$      | _            | <u> </u>   | _        | $\vdash$     | _               | Н              | <u> </u> | 4        | 93       | <u> </u> | ├  | <u> </u>     | -        | Ш        | $\dashv$ | _        | $\dashv$ | $\dashv$ | - } |       | 143        | Н         | $\dashv$                               | _      |        |          |          |          |          | 4        |
|              | 44       | -         |          |                | <u> </u>     | <b> </b>   | _        | $\vdash$     | <u> </u>        | Щ              | <u> </u> | _        | 94       | <u> </u> | ├  | <u> </u>     |          | $\vdash$ |          |          | $\vdash$ | $\dashv$ | -   |       | 144        | Ш         | $\dashv$                               | _      |        |          |          |          |          | 긕        |
|              | 45       |           |          |                | <u> </u>     |  | <u> </u> | -            |                 | Н              | $\vdash$ | $\dashv$ | 95       | -        | ├  | <del> </del> |          | $\vdash$ | -        |          | $\dashv$ | $\dashv$ | - } |       | 145        | Н         | $\dashv$                               | _      |        | $\dashv$ |          |          |          | -        |
| <del></del>  | 46       | -         | Н        | Н              | Ь            | $\vdash$   | <u> </u> | -            | -               | $\vdash$       |          | -        | 96<br>97 | <u> </u> | ├  | $\vdash$     | $\vdash$ | Н        | -        | _        |          | $\dashv$ | }   |       | 146<br>147 | H         |  | _      | -      |          |          |          | $\dashv$ | 긕        |
| <del> </del> | 47<br>48 | -         | -        |                | <u> </u>     | <del>                                     </del> | $\vdash$ | -            | $\vdash$        | Н              | $\vdash$ | $\dashv$ | 98       | $\vdash$ | $\vdash$   | $\vdash$     |          |          |          |          | $\dashv$ | $\dashv$ | -   |       | 147        |           | -                                      |        |        |          | -        | $\dashv$ | -        | $\dashv$ |
|              | 49       | -         | $\vdash$ | $\vdash$       | -            | $\vdash$   | -        | H            | $\vdash$        | Н              | $\vdash$ | $\dashv$ | 99       | $\vdash$ | $\vdash$   | <u> </u>     | -        | $\vdash$ |          | -        | -        | $\dashv$ | }   |       | 149        | $\vdash$  | -                                      |        |        |          |          |          |          | $\dashv$ |
|              | 50       | -         |          | $\vdash\vdash$ | -            |  | $\vdash$ | -            |                 | Н              | $\vdash$ | +        | 100      | $\vdash$ |  |              | -        |          |          |          | $\dashv$ | $\dashv$ | 1   |       | 150        | $\vdash$  | -                                      |        |        | -        | -        |          | $\dashv$ | $\dashv$ |
|              |          |           | نــــــا |                |              | L  |          |              |                 |                | L        | 1        | ,,,,     |          |  | 1            |          |          |          |          |          |          | - 1 |       | 130        |           | اـــــــــــــــــــــــــــــــــــــ |        | 1      |          |          | !        | 1        | 1        |